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OIPF 30189  
APR 05 2001  
PATENT & TRADEMARK OFFICE

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	09/751,881
Filing Date	December 29, 2000
First Named Inventor	Shiquan Wu
Group Art Unit	
Examiner Name	
Total Number of Pages in this Submission [ /0 ]	Attorney Docket Number NTL-3.2.145/3518 (12810ROUS01U)

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (Please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	-Declaration for Patent Application; -Check for \$170.00 to cover all fees.
<input type="checkbox"/> Information Disclosure Statement with attached IDS Citation form PTO1449 and copies of References Cited	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks: <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge additional fees or credit any overpayment associated with this communication to Deposit Account No. <u>03-2317</u> .	
<input checked="" type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Any additional filing fees required under 37 CFR § 1.16. <input type="checkbox"/> Any patent application processing fees under 37 CFR § 1.17.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

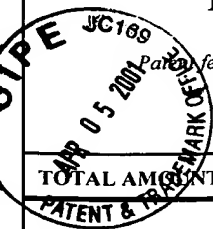
Firm or Individual Name	COBRIN & GITTES Lawrence E. Russ, Reg. No. 35,342
Signature	<i>Lawrence E. Russ</i>
Date	April 3, 2001

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: April 3, 2001		
Typed or printed name	Rosemarie Medina	
Signature	<i>Rosemarie Medina</i>	[Date]: April 3, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231. - G:\Apps\WPDATA\NORTEL\3518\TransmitRespToNotMissParts.wpd

# FEE TRANSMITTAL for FY 2001



Patent fees are subject to annual revision.

Complete if Known

Application Number 09/751,881  
Filing Date December 29, 2000  
First Named Inventor Shiquan Wu  
Examiner Name  
Group/Art Unit

TOTAL AMOUNT OF PAYMENT (\$170.00)

Attorney Docket No. NTL-3.2.145/3518 (12810ROUS01U)

METHOD OF PAYMENT (check one)

FEE CALCULATION (continued)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: [03-2317]

Deposit Account Name: [COBRIN & GITTES]

☒ Charge any additional fee required under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Code	(\$)	Code	(\$)		
105	130	205	65	Surcharge - Late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	Request for Reexamination	

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Code	(\$)	Code	(\$)		
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (2)				\$ 0	

2. EXTRA CLAIM FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Code	(\$)	Code	(\$)		
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$ 0	

\*\*or number previously paid, if greater; For Reissues, see above

Other fee (specify) \_\_\_\_\_ \$

\*Reduced by Basic filing fee Paid SUBTOTAL (3) \$170.00

SUBMITTED BY

Complete (if applicable)

Name (Print Type) Lawrence E. Russ Registration Number 35,342 Telephone (212) 486-4000  
Signature *Lawrence E. Russ* Date April 3, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patents, Washington, DC 20231. G:\Comp\WPD\AT\NORTEL\518\FeeResub\BfPatr.wnd

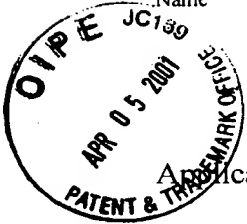
CERTIFICATE OF MAILING

I hereby certify that this paper and every paper referred to therein as being enclosed is being deposited with the U.S. Postal Service as first class mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on: April 3, 2001

Rosemarie Medina

Name

Rosemarie Medina  
Signature



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shiquan Wu et al.

Serial No.: 09/751,881

Filed: December 29, 2000

Title: **SYNCHRONIZATION IN A MULTIPLE-INPUT/MULTIPLE-OUTPUT (MIMO) ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEM FOR WIRELESS APPLICATIONS**

BOX MISSING PARTS  
Assistant Commissioner Of Patents  
Washington, DC 20231

RESPONSE

Sir:

Responsive to the Notice to File Missing Parts of Application dated February 20, 2001, enclosed is the declaration signed by the inventors of the present application, together with the fee of \$130.00 as set forth in 37 CFR 1.16(e).

Also enclosed is an Assignment executed by the inventor as well as a Recordation Form Cover Sheet and the \$40.00 recordation fee.

An early consideration and allowance of this application are respectfully requested.

Dated: April 3, 2001

Lawrence E. Russ

Lawrence E. Russ  
Reg. No. 35,342  
COBRIN & GITTES  
750 Lexington Avenue  
New York, New York 10022  
(212) 486-4000



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/751,881	12/29/2000	Shiquan Wu	NTL-3.2.145/3518 (12810R0

CONFIRMATION NO. 8544

## FORMALITIES LETTER



\*OC000000005752781\*

26784  
COBRIN & GITTES  
750 LEXINGTON AVENUE, 21ST FLOOR  
NEW YORK, NY 10022

Date Mailed: 02/20/2001



## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

05/17/2001 TV0111 00000020 09751881

FILED UNDER 37 CFR 1.53(b)

01 FC:105

130.00 OP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The following item(s) appear to have been omitted from the application:

- Figure(s) 6 described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the Patent and Trademark Office (PTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(i))) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the PTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the PTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h))) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

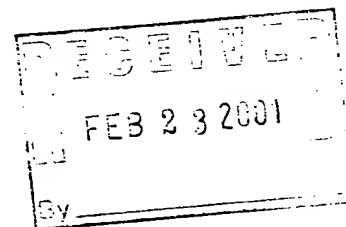
III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the

04/06/2001 SSESHE1 00000029 09751881

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Adjustment date: 05/17/2001 TV0111

04/06/2001 SSESHE1 00000029 09751881

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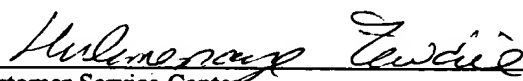
application as deposited in the PTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the PTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the PTO on the date of deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabelled drawing figures, is required. Any drawing changes should be accompanied by a copy of the drawing figures showing the proposed changes in red ink. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.



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*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

**PART 2 - COPY TO BE RETURNED WITH RESPONSE**